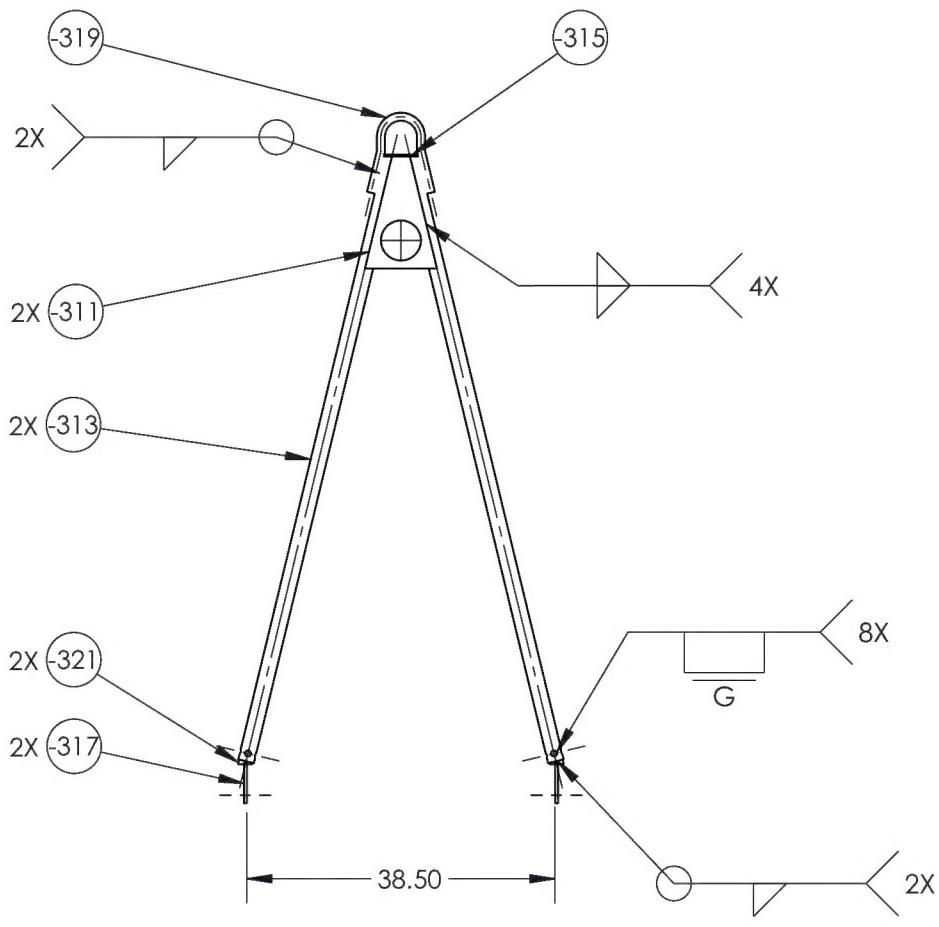


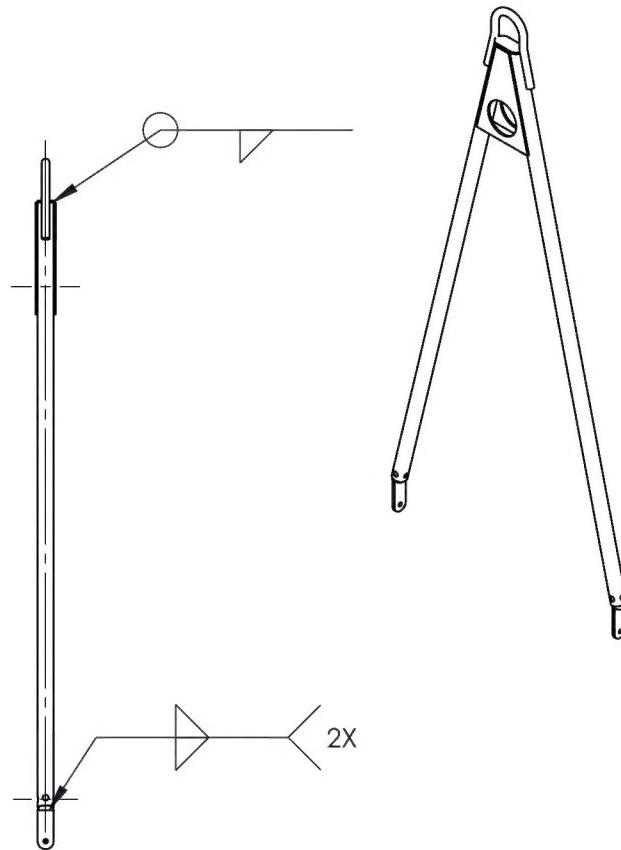
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REVIEWS			DESCRIPTION			DATE	INITIAL	APPROVED
REV	ECR							
1			RELEASED FOR PRODUCTION.			4/26/2017	SM	JAG



(-19)

TOW BAR ASSEMBLY

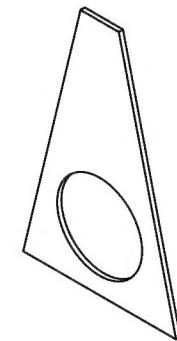
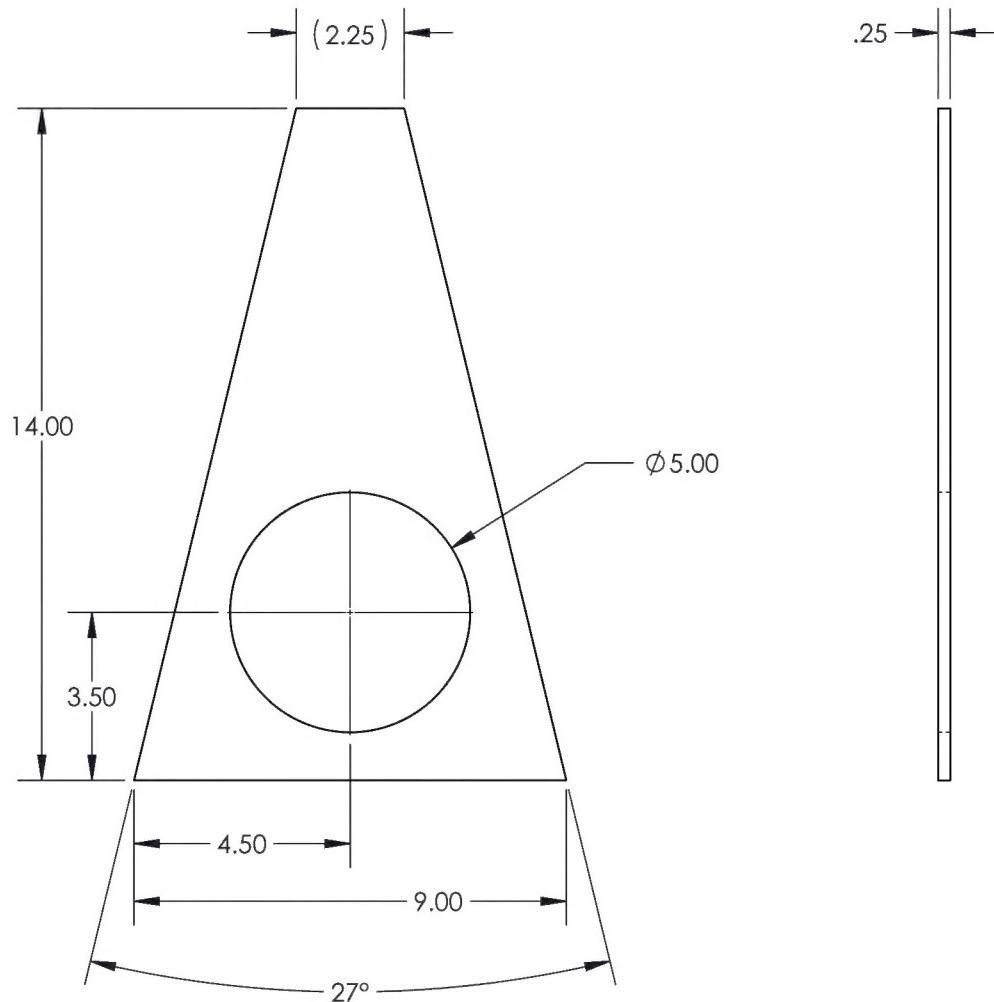


DART AEROSPACE																															
TITLE																															
SUPPORT DOLLY, TAILBOOM																															
DWG NO.																															
RB T102012-19																															
REV 1																															
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>HEAT</td> <td>.XXX ± .010 FRACTIONS ± 1/8</td> </tr> <tr> <td>TREAT</td> <td>.XX ± .03 ANGLES ± 1°</td> </tr> <tr> <td>FINISH</td> <td>X ± .1 SURFACES = 125 ✓</td> </tr> <tr> <td colspan="2">SPEC FED #13538</td> </tr> <tr> <td>DRAWN BY:</td> <td>GILBERT</td> </tr> <tr> <td>CHECKED:</td> <td>CLOUGH</td> </tr> <tr> <td>OPPS APPR:</td> <td>ANDERSON</td> </tr> <tr> <td>QA APPR:</td> <td>LINDSAY</td> </tr> <tr> <td>APPROVED:</td> <td>GILBERT</td> </tr> <tr> <td>SCALE</td> <td>1:24</td> </tr> <tr> <td>DATE</td> <td>3/13/2014</td> </tr> <tr> <td colspan="2">USED ON MODEL</td> </tr> <tr> <td colspan="2">BELL 212, 214B, 214ST, 412</td> </tr> <tr> <td colspan="2">SHEET 1 OF 7</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	HEAT	.XXX ± .010 FRACTIONS ± 1/8	TREAT	.XX ± .03 ANGLES ± 1°	FINISH	X ± .1 SURFACES = 125 ✓	SPEC FED #13538		DRAWN BY:	GILBERT	CHECKED:	CLOUGH	OPPS APPR:	ANDERSON	QA APPR:	LINDSAY	APPROVED:	GILBERT	SCALE	1:24	DATE	3/13/2014	USED ON MODEL		BELL 212, 214B, 214ST, 412		SHEET 1 OF 7	
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SPEC FED #13538																															
DRAWN BY:	GILBERT																														
CHECKED:	CLOUGH																														
OPPS APPR:	ANDERSON																														
QA APPR:	LINDSAY																														
APPROVED:	GILBERT																														
SCALE	1:24																														
DATE	3/13/2014																														
USED ON MODEL																															
BELL 212, 214B, 214ST, 412																															
SHEET 1 OF 7																															

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-311	2	TOW BAR TOP PLATE	A36/1018/1020 HR		2
			-313	2	TOW BAR SIDE BAR	STEEL TUBE		3
			-315	1	TOW BAR FRONT PLATE	A36/1018/1020 HR		4
			-317	2	TOW BAR END PLATE	A36/1018/1020 HR		5
			-319	1	TOW BAR HITCH	A36/1018/1020 HR		6
			-321	2	TOW BAR END PLUG	A36/1018/1020 HR		7

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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TOW BAR TOP PLATE

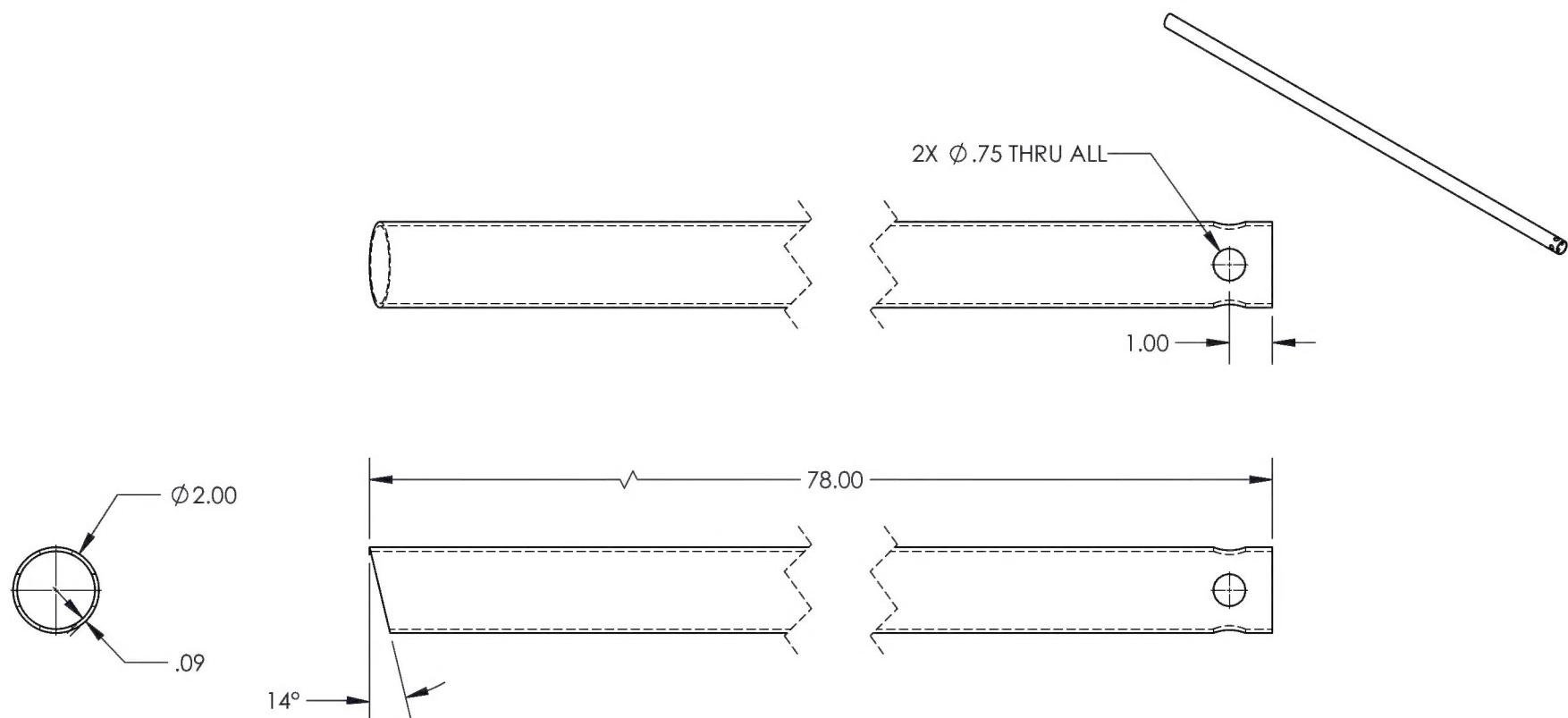
-311

TITLE		DART AEROSPACE
DWG NO.		RB T102012-311
MAT'L		A36/1018/1020 HR
HEAT		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .010 FRACTIONS ± 1/8
SEE -19 WELDMENT		.XX ± .03 ANGLES ± 1°
SPEC		.X ± .1 SURFACES = 125 ✓
DRAWN BY:		GILBERT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE	1:4	USED ON MODEL
DATE	3/13/2014	BELL 212, 214B, 214ST, 412
SHEET 2 OF 7		

REV
1

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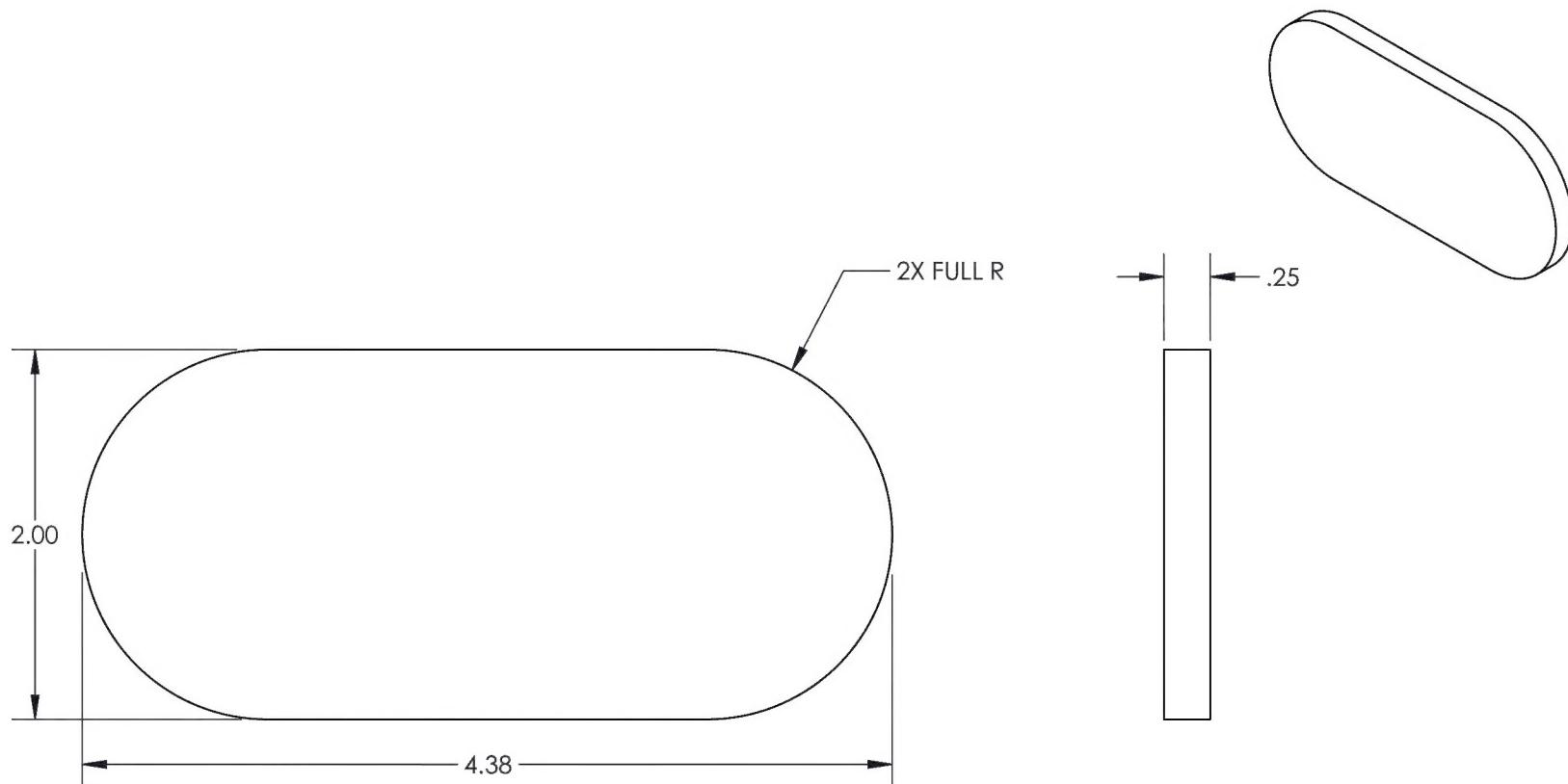
TOW BAR SIDE BAR

-313

DART AEROSPACE	
TITLE	
SUPPORT DOLLY, TAILBOOM	
DWG NO.	
RB T102012-313	
REV 1	
MATERIAL STEEL TUBE	
HEAT	
TREAT	
FINISH SEE -19 WELDMENT	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
DRAWN BY:	GILBERT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
BELL 212, 214B, 214ST, 412	
SCALE	1:4
DATE	3/13/2014
SHEET 3 OF 7	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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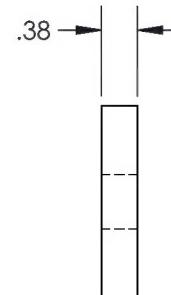
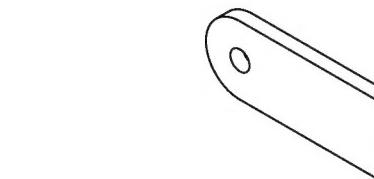
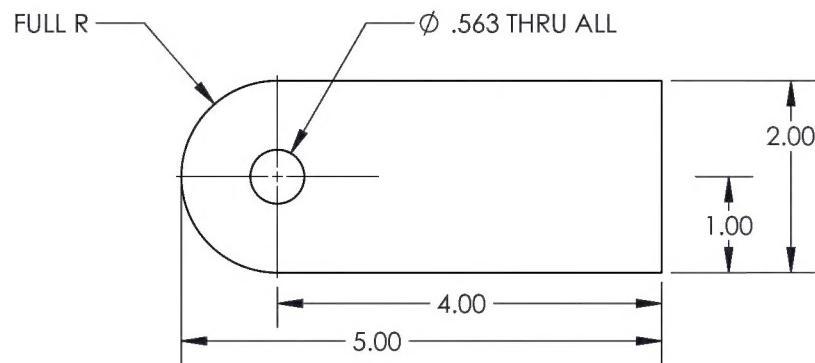
TOW BAR FRONT PLATE

-315

DART AEROSPACE	
TITLE	
SUPPORT DOLLY, TAILBOOM	
DWG NO.	RB T102012-315
REV	1
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -19 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	GILBERT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
BELL 212, 214B, 214ST, 412	
SCALE	1:1
DATE	3/13/2014
SHEET 4 OF 7	

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				DESCRIPTION		DATE
				INITIAL	APPROVED	



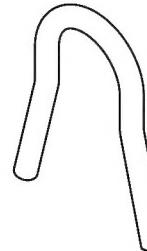
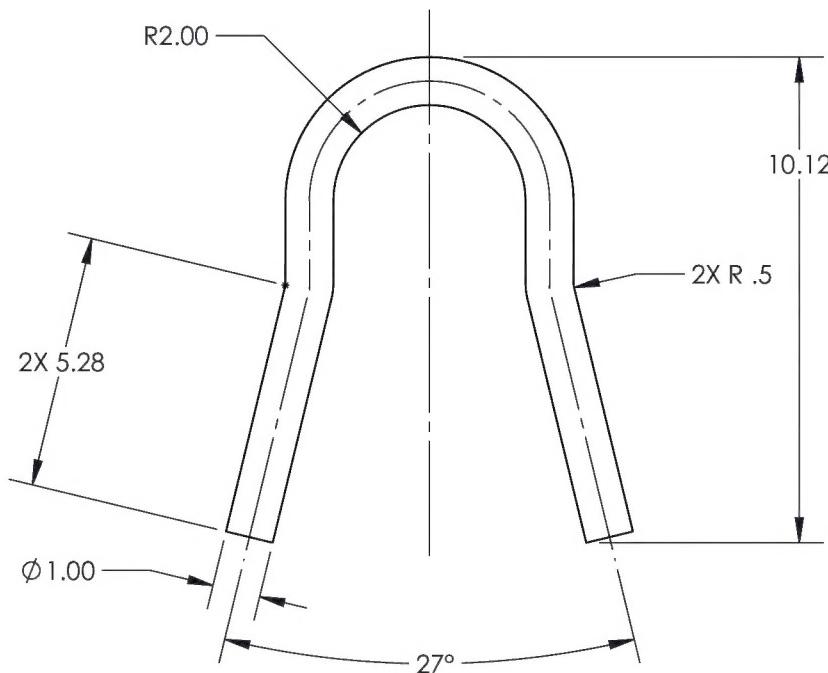
TOW BAR END PLATE

-317

TITLE		DART AEROSPACE	
DWG NO.		RB T102012-317	
MAT'L		A36/1018/1020 HR	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE -19 WELDMENT		.XXX ± .010 FRACTIONS ± 1/8	
SPEC		.XX ± .03 ANGLES ± 1°	
DRAWN BY:		.X ± .1 SURFACES = 125 ✓	
CHECKED:		1. BREAK ALL SHARP EDGES	
OPPS APPR:		.015 x 45° OR .015R	
QA APPR:		2. DIMENSIONAL LIMITS APPLY	
APPROVED:		AFTER PLATING	
		3. INTERPRET DIM AND TOL PER	
		ASME Y14.5M-2009	
SCALE	1:2	DATE	3/13/2014
		SHEET 5 OF 7	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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TOW BAR HITCH

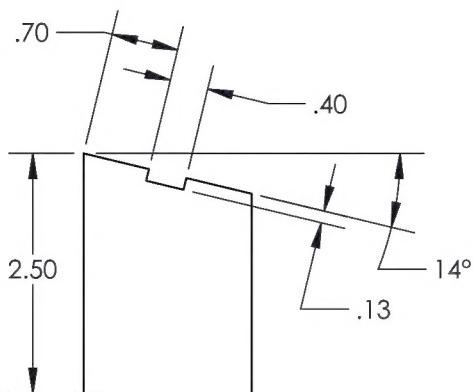
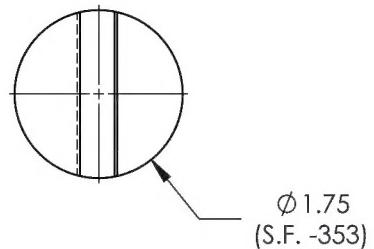
-319

TITLE		DART AEROSPACE
DWG NO.		RB T102012-319
MAT'L		A36/1018/1020 HR
HEAT		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .010 FRACTIONS ± 1/8
SEE -19 WELDMENT		.XX ± .03 ANGLES ± 1°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		GILBERT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE	1:4	USED ON MODEL
DATE	3/13/2014	BELL 212, 214B, 214ST, 412
SHEET 6 OF 7		

1

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TOW BAR END PLUG

(-321)

DART AEROSPACE	
TITLE	
SUPPORT DOLLY, TAILBOOM	
DWG NO.	
RB T102012-321	
REV 1	
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
HEAT XXX ± .010 FRACTIONS ± 1/8	
TREAT XX ± .03 ANGLES ± 1°	
FINISH SEE -19 WELDMENT X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY:	GILBERT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
BELL 212, 214B, 214ST, 412	
SCALE	1:2
DATE	3/13/2014
SHEET 7 OF 7	